



*HPW*

**STATEMENT UNDER 37 CFR 1.97(b) ACCOMPANYING  
INFORMATION DISCLOSURE STATEMENT**

**Docket No.  
47265.27**

**In Re: Application of Manfred Faubel, et al**

**Serial No.  
10/560,122**

**Filing Date (371)  
8 December 2005**

**Examiner  
Not Yet Assigned**

**Group Art Unit  
Not Yet Assigned**

**Title: Plasma-based generation of X-radiation with a sheet-shaped target material**

**Address to:  
Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**Statement Under 37 CFR 1.97(b)**

☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**Statement under 37 CFR 1.97(c)**

☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e)

**OR**

☐ the fee set forth in 37 CFR 1.17(p).



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**Payment of Fee**

☐ A check in the amount of \_\_\_\_\_ is attached.

☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 50-0573 as described below. A duplicate of this sheet is enclosed.

☐ Charge the amount of \_\_\_\_\_

☒ Credit any overpayment.

☒ Charge any additional fee required.

Signature \_\_\_\_\_

Dated: \_\_\_\_\_

4/5/06

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Customer No. 23973

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(REV. 2-32) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

47265.27

SERIAL NO.

10/560,122

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

**APPLICANT**  
Manfred Faubel, et al.

**FILING DATE**

8 December 2005 (371 date)

**ART UNIT**

Not Yet Assigned

**Customer Number: 23973**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	No.	DOCUMENT NUMBER	ISSUE/PUB DATE	NAME	CLAS S	SUB- CLAS S	FILING DATE or PRIORITY DATE
	AA	6447553 B1	10SEP2002	MIKHAEL, ET AL			24OCT2000
	AB	6377651 B1	23APR2002	RICHARDSON, ET AL			10OCT2000
	AC	6324255 B1	27NOV2001	KONDO, ET AL			12AUG1999
	AD	6133577	17OCT2000	GUTOWSKI, ET AL			4FEB1997
	AE	5459771	17OCT1995	RICHARDSON, ET AL			1APR1994

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	Name of Patentee or Applicant	Countr y	Date of Publication of Cited Document	TRANSLATION YES NO
	AF	WO 02/072279 A1	JOSEF SCHIELE OHG	WO	19SEP2002	ABSTRACT
	AG	WO 97/40650	HANS M. HERTZ	WO	30OCT1997	
	AH	EP 1367445 A1	NORTHROP GRUMMAN CORPORATION	EP	12MAR2003	
	AI	EP 0186491 A2	KABUSHIKI KAISHA TOSHIBA	EP	7FEB1986	
	AJ	DE 10233634 A1	MAX-PLANCK-GESELLSCHAFT AND GEORG-AUGUST- UNIVERSITAT	EP	4MAR2004	SUMMARY

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AK	RYMELL, L. et al.; "Debris elimination in a droplet-target laser-plasma soft x-ray source", Rev. Sci. Instrum., October 1995, Vol. 66, No. 10, pp 4916-4920.
	AL	MALMQVIST, L., et al.; "Droplet-target laser-plasma source for proximity x-ray lithography", Appl. Phys. Lett., 6 May 1996, Vol. 68, No. 19, pp 2627-2629.
	AM	HANSSON, BJÖRN A.M., et al.; "Status of the liquid-xenon-jet laser-plasma source for EUV lithography", Proceedings of SPIE, 2002, Vol. 4688, pp 102-109.
	AN	STRUTT, John William, 3rd Baron Rayleigh; "On the Capillary Phenomena of Jets, (Proceedings of the Royal Society, 1879)", Scientific Papers, 1869-1881, Vol. 1, pp 377-400.
	AO	WILSON, Kevin R., et al.; "X-ray Spectroscopy of Liquid Water Microjets", J. Phys. Chem. B, 2001, Vol. 105, No. 17, pp 3346-3349.
	AP	BOBASHEV, Sergei V., et al.; "Diagnostic technique of gas jet for debris-free laser-plasma EUV source", Proceedings of SPIE, 2000, Vol. 3997, pp 777-783.
	AQ	HANSSON, BJÖRN A.M., et al.; "Liquid-Xenon-Jet Laser-Plasma Source for EUV Lithography", Proceedings of SPIE, 2001, Vol. 4506, pp 1-8.



### CERTIFICATE OF MAILING UNDER 37 CFR 1.8

I hereby certify that this 2-page IDS Statement, Form PTO-1449, copies of 17 references, and return receipt postcard, are being deposited with the United States Postal Service in an envelope addressed to Mail Stop Amendment, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: **April 5, 2006**.

Typed or printed name:

Jane D. Roberts

Signature:

Date: **April 5, 2006**